

FORTY-SECOND SESSION, 1923-4.

First Meeting, Friday, 2nd November 1923.

1. The Equation of Telegraphy . . . Miss M. C. GRAY.
2. An Elementary Proof of Girard's Theorem A. C. AITKEN.
3. Note on an Infinite Product of Euler . . . A. C. AITKEN.

Second Meeting, Friday, 7th December 1923.

1. On some Spherical Harmonic Expansions . Dr T. M. MACROBERT.
2. Direct Proofs in Elementary Geometry . ROBERT F. BLADES.
3. The Numerical Evaluation of Double Integrals . . . { A. C. AITKEN and
G. L. FREWIN.
4. Note on a Linear Partial Differential Equation of Hyperbolic Type . . . E. T. COPSON.

Third Meeting, Friday, 11th January 1924.

1. Canonical Forms of the Cubic Surface . Prof. H. W. TURNBULL.
2. On Inverse Functions . . . Prof. E. T. WHITTAKER.
3. The Linear Complexes belonging to the Invariant System of Three Quadrics . J. WILLIAMSON.
4. On Mixed Determinants . . . R. VAIDYANATHASWAMI.

Fourth Meeting, Friday, 1st February 1924.

1. The Equation of Conduction of Heat . Miss M. C. GRAY.
2. The numerical solution of Integral Equations . . . GORAKH PRASAD.
3. Note on the configuration of the eight common points of three quadrics . Prof. H. W. TURNBULL.
4. Note on Sylvester's Theorem of Elimination W. SADDLER.

Fifth Meeting, Friday, 7th March 1924.

1. On the Rearrangement of Terms in a Complex Series . . . Prof. S. BEATTY.
2. Analytical Expressions for Zeuner's and other Valve Diagrams . . . FRANK LORD.
3. Some Axi-Symmetric Determinants with Integers for Elements . . . J. J. NASSAU.
4. Conservation Theorems for a Damped Physical System . . . E. T. COPSON.

Sixth Meeting, Friday, 2nd May 1924.

1. A Generalisation and Simple Proof of Kronecker's Theorem concerning the Minors of a Compound Determinant . Prof. W. H. METZLER.
2. An Extension of Heaviside's Operational Method of Solving Differential Equations . Dr BEVAN B. BAKER.
3. Notes on Mathieu's Differential Equation . Dr JOHN DOUGALL.

Seventh Meeting, Saturday, 14th June 1924.

1. On the bearings of Projective Geometry on Weyl's Relativity Hypothesis . . Prof. H. W. TURNBULL.
2. Note on the Geometry of two Binary Quadratics in the Complex Plane . . W. SADDLER.
3. The Concomitants of two "two-one" Double Binary Forms . . . W. SADDLER.
4. Projective Covariants of three Quaternary Quadrics . . . J. WILLIAMSON.
5. Series Formulae for the Roots of Equations . A. C. AITKEN.
6. The Locus of Lines meeting three Regions . R. VAIDYANATHASWAMI.
7. The Properties of a new Orthogonal Function associated with the Confluent Hypergeometric Function . . . G. E. CHAPPELL.